



*Total Solution Coating Applicator*

## ***Thermal Properties of Teflon® Coatings***

<b>Property</b>	<b>ASTM Standard</b>	<b>Unit</b>	<b>Teflon® PTFE</b>	<b>Teflon® FEP</b>	<b>Teflon® PFA</b>	<b>Teflon® ETFE</b>
Melting Point	D3418	°C (°F)	327 (621)	260 (500)	306 (582)	267 (512)
Cure Temperature	---	°C (°F)	379-429 (715-805)	360-385 (680-725)	379-399 (715-750)	302-323 (575-615)
Max. Use Temperature -Continuous -Intermittent	---	°C °F °C °F	260 (500) 316 (600)	204 (400) 232 (450)	260 (500) 288 (550)	149 (300) 199 (390)
Flame Rating**	UL94	---	VO	VO	VO	VO
Limiting Oxygen Index	D2863	%	>95	>95	>95	30-36
Heat of Combustion	D240	MJ/kg (Btu/lb)	5.1 2,200	5.1 2,200	5.3 2,300	13.7 5,900
Thermal Conductivity	---	Btu-in/h-ft <sup>2</sup> ·°F (W/m-k)	1.7 (0.25)	1.4 (0.20)	1.3 (0.19)	1.65 (0.24)

\*\* Statements regarding behavior in a flame situation are not intended to reflect hazards presented by this or any other material when under actual fire conditions.

Source: DuPont